

§ 1.136(a), and any fees required therefor (including fees for net addition of claims) are hereby authorized to be charged to our Deposit Account No. 19-0036.

**Amendments**

**In the Claims:**

Please cancel claims 25-34, 37, 39, 40, 41, 44, 49 and 50 without prejudice or disclaimer.

Substitute the following claim 35 for the pending claim 35:

*Sub D1*  
*B<sup>1</sup>*  
35. (Once Amended) An isolated DNA molecule comprising a DNA sequence encoding at least 400 amino acids of a Jak3 kinase peptide of SEQ ID NO:16, wherein said peptide has Jak kinase activity and undergoes tyrosine phosphorylation by at least one cytokine selected from the group consisting of IL-2 IL-3, IL-4, IL-5, IL-6, IL-7, IL-9, IL-11, OSM, LIF, G-CSF, EPO, IFN- $\gamma$  and GM-CSF.

[Substitute the following claim 36 for the pending claim 36]

36. (Once Amended) The isolated DNA molecule of claim 35 wherein said molecule encodes a polypeptide having at least one conservative amino acid substitution.

Substitute the following claim 38 for the pending claim 38.

*B<sup>2</sup>*  
38. (Once Amended) The isolated DNA molecule of claim 35 comprising a 1500 base nucleotide DNA sequence encoding an amino acid sequence of SEQ ID NO: 16.